

**REMARKS**

Claims 1-18 are pending in this application, of which claim 18 is newly-added.

Claims 8-10 and 13 stand rejected under 35 USC §112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The Examiner notes that the claims specify "a channel width varying circuit". The Examiner urges, however, that an actual circuit which physically varies the channel width of a transistor is not disclosed.

Applicants do not understand this rejection, because page 28, line 7-10 and page 29, lines 10-12 of the specification disclose that Figs. 5-6 show "a circuit diagram showing an example of [a] configuration of a channel width varying circuit which can realize the operational amplifier design resource method of Fig. 1."

Thus, the 35 USC §112, first paragraph, rejection should be withdrawn.

Claim 14 stands rejected under 35 USC §102(e) as anticipated by U.S. Patent 6,084,474 to Lee (hereinafter "**Lee**").

Applicants respectfully traverse this rejection.

**Lee** discloses an auto gain controller having a temperature compensation function including a transistor having a gate terminal, a drain terminal and a source terminal, and a gain amplifier with an inversion input terminal connected to the source terminal of the transistor, a non-inversion terminal for receiving a reference signal, and an output terminal connected to the gate terminal of the transistor, wherein a gain of the gain amplifier changes in proportion with a

drain current of the transistor.

Fig. 5 shows a gain amplifier 32 which has no provision for adjusting the bias voltage which it generates, as recited in claim 14. Furthermore, there is no disclosure in Lee of a bias voltage adjusting circuit comprising a plurality of switches for adjusting the bias voltage among a plurality of values, as disclosed on page 28, line 22 to page 29, line 2 of the specification of the instant application.

Accordingly, new claim 18 reciting this distinction has been added, which depends from claim 14.

Thus, the 35 USC §102(e) rejection should be withdrawn.

Claims 1-17, 11-12 and 15-17 have been allowed.

In view of the aforementioned amendments and accompanying remarks, claims 1-18, as amended, are in condition for allowance, which action, at an early date, is requested.

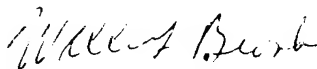
If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact Applicants undersigned attorney at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

U.S. Patent Application Serial No. 10/053,870

In the event that this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

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